

APPENDIX C: SUMMARY OF CHANGES BETWEEN DRAFT AND FINAL

This appendix summarizes changes Sanctuary staff have made to the management plan between its draft and final versions. In general, changes reflect input received from public comments, revisions to grossly outdated information, and corrections of minor typographical, technical, and formatting errors. Changes are summarized below by section. Details regarding changes made per responses to individual public comments are available in Vol. II, Appendix B.

General Changes

NOAA made the following changes wherever relevant throughout the document:

- Removed references to this document as a draft;
- Updated the technical description of the Sanctuary area as 1110 square nautical miles;
- Clarified that Native American artifacts found in the Sanctuary are Chumash artifacts, and clarified that Chumash people and culture are present today, not only in history;
- Wherever types of maritime heritage resources were listed, listed them in the order of Chumash artifacts, paleontological artifacts, then historic artifacts;
- Removed the term “discovery” from references to Juan Rodriguez Cabrillo’s 1542-1543 voyage;
- Used consistent terminology to refer to the Channel Islands MPA network of marine reserves and conservation areas;
- Removed outdated information and photographs referring to the Los Marineros program, and where appropriate noted that this program ended in 2005;
- Changed references to “weather kiosks” or “information kiosks” to the term used to describe the current generation of Sanctuary kiosks: “interactive kiosks”;
- Changed remaining references to the Sanctuary “manager” to the Sanctuary “superintendent”;
- Removed references to Washburn and Clark (1998);
- Removed outdated statements indicating that the oldest human remains found in North America were found on Santa Rosa Island;
- Clarified that three oil and gas lease units overlap the Sanctuary;
- Changed references to “biogeographic provinces” and “biogeographical provinces” to “bioregions”;
- Noted that there are now nine, not ten action plans;
- Corrected and updated figure and table numbering; and
- Omitted references to Vol. II, Appendix B for the NMSA (no longer housed there)

NOAA has not noted each instance of these general changes in the subsequent list of specific changes made to each document section.

Executive Summary

- Added information on the steps taken to develop the management plan between draft and final stages; and
- Revised list of Management Strategies by Action Plan to reflect changes made to action plans and strategies

Section I: Introduction

- Updated text and figures referring to the Northwestern Hawaiian Islands Coral Reef Ecosystem Reserve to reflect that this area is now the Papahānaumokuākea Marine National Monument;
- Added information to explain that the NMSP is administered by the NOAA Ocean Service Office of National Marine Sanctuaries;
- Added NMSP mission statement and program-wide goals;
- Clarified that the NMSA purposes and policies listed are complete and verbatim;
- Added information to explain NOAA's ecosystem approach to management, and replaced external source definition of ecosystem management with NOAA's more recent definition of an ecosystem approach to management;
- Replaced Figures 4 and 5 with updated maps designed for increased legibility, and depicting Sanctuary boundaries revised in 2007 per the federal portion of the MPA network;
- Clarified that the EIS focuses on presenting and analyzing potential changes to Sanctuary regulations;
- Added information to explain development of current Sanctuary goals and how they relate to 1983 goals, and refined language of goals to more closely mirror NMSA language;
- Added information on the steps taken to develop the management plan / environmental impact statement between draft and final stages, including development of the SDEIS on regulation of sewage and graywater discharges from vessels 300 GRT or more;
- Clarified that Sanctuary staff worked with the Sanctuary Advisory Council to determine the boundaries of the final management plan study area after reviewing Dr. Michael McGinnis' study area recommendations;
- Clarified that there are two bioregions represented in the study area, along with a transition zone between the two; and
- Added that the Sanctuary has collected scientific data not only from individual researchers and institutions, but also from state and federal agencies

Section II: The Sanctuary Setting***Part II-A: The Physical Setting***

- Added references to CDFG (2002) and NCCOS (2005) for details on the physical and biological setting of the Sanctuary;
- Replaced Figure 7 with updated map designed for increased legibility, and depicting Sanctuary boundaries revised in 2007 per the federal portion of the MPA network; added in-text reference to the figure;
- Augmented information about regional upwelling;
- Clarified that there are two bioregions represented in the study area, along with a transition zone between the two, and added details about the bioregions and transition zone; and
- Revised references to the NCCOS biogeographic assessment to reflect that NCCOS has completed this work (as of 2005)

Part II-B: The Biological Setting

- Updated and added information about termination of the sea otter translocation program

Part II-C: The Human Setting

- Refined text provided under the sub-header Archaeological and Paleontological Artifacts;
- Adding a sub-section on Chumash Cultural Activities to the Current Human Activities section;
- Updated data and reference in the overview of recreational activities;

- Added informational updates on the status of commercial prawn trawl fisheries;
- Updated data on ex-vessel value of CINMS commercial catch, and noted that values are averages;
- Updated section on kelp harvesting to reflect that this practice ceased in the Sanctuary region in 2005;
- Noted that the 1969 oil spill was “significant” instead of “catastrophic”;
- Referred to the FEIS for information on the status of oil and gas leases, rather than summarizing their status here;
- Updated Table 2 with MMS information about over 30 publications on oceanography research in the Santa Barbara Channel; and
- Replaced Figure 19, featuring the now defunct Los Marineros program, with a recent photo from the MERITO program

Part II-D: The Operational Setting

- Refined language explaining the role of the Sanctuary Superintendent with minor revisions;
- Added tribal agencies to the list of agencies with which the Superintendent coordinates on-site activities;
- Revised Figure 20 to reflect recent changes to the CINMS Organizational Chart;
- Updated information about Sanctuary vessels and aircraft to reflect that the NOAA-64 seawolf amphibious aircraft is no longer stationed at CINMS, and with specifications about the new vessel acquired in 2008;
- Clarified that the NOAA Corps subsidizes rather than pays for salaries of NOAA Corps officers serving Sanctuary billets;
- Replaced Figure 22 with updated map designed for increased legibility, and depicting Sanctuary boundaries revised in 2007 per the federal portion of the MPA network; added in-text reference to the figure;
- Removed information about CINMS currently working with the PFMC on the MPA network environmental review process, a process that is now complete;
- Added a sub-section on Tribal Agencies and Organizations to the Relationships With Other Regional Authorities section;
- Refined language explaining the USCG with minor non-substantive changes;
- Clarified that MMS regulates, rather than manages the nation’s oil and natural gas resources;
- Made description of Sanctuary permit types broad and general, and referred to the CFR for Channel Islands permit regulations, rather than trying to summarize them in text since they will be changing; and
- Revised language about permits previously referred to as “manager’s permits,” to explain that there is another permit type for otherwise prohibited activities that would further Sanctuary management purposes, but that would not fall into any other existing permit category

Section III: Action Plans

General

- Revised the “Addressing the Issues – Regulations” section at the end of each action plan to provide a general description of current, relevant Sanctuary regulations, and to refer to the Code of Federal Regulations for the actual regulatory language

Background

- Revised footnote to explain that while staff did not include either sea otters or MPAs on the list of ten priority issues to be addressed in the management plan, both are discussed in the Resource Protection Action Plan;

- Revised list of action plans to reflect changes made to action plans: NOAA has consolidated elements of the Marine Zoning and Emerging Issues action plans into what is now a Resource Protection Action Plan;
- Added explanation that each activity description includes information about the status of the activity, and partners involved in it; clarified what the “status” and “partners” descriptions following each activity mean;
- Added a Framework for Determining When the Sanctuary Should Develop Additional Action Plans; and
- Revised Table 3 to reflect changes to action plans and strategies

Public Awareness & Understanding Action Plan

- Added background on current population growth and cultural diversity statistics on Latino K-12 student enrollment;
- Clarified that the Sanctuary evaluates its education programs and that performance measures are located in the evaluation action plan, and noted the NMSP program-wide education performance measure about assessing all education programs in sanctuaries for effectiveness by 2010;
- Corrected Figure numbering for Figure 26 (now Figure 28) on K-12 education, and replaced old image with a recent education photograph;
- Strategy AU.1: added information about the “Teacher At Sea” program to activity (1);
- Strategy AU.1: added information about the B-WET grant program to activity (2);
- Strategy AU.1: updated information about the Waves on Wheels mobile van program in activity (6);
- Strategy AU.2: updated statistics about Channel Islands Naturalist Corps volunteer service hours;
- Strategy AU.2: updated activity (2) with information about the From Shore to Sea lecture series, and partnerships with Channel Islands National Park, and the Santa Barbara Maritime Museum;
- Strategy AU.2: added information to activity (3) about the Sanctuary-Park MOA for a volunteer administrative support position;
- Strategy AU.2: added information to activity (4) to reflect that the REEF program now includes a marine invertebrate component;
- Strategy AU.2: added information to activity (5) about the Hollings scholarship, and internship opportunities for underrepresented youth;
- Strategy AU.3: added information to activity (1) about volunteers collecting data for the marine mammal sightings database, updated volunteer program statistics, and added detail about the CINMS agreement with vessel operators;
- Strategy AU.3: added information to activity (3) about VolunteerNet;
- Strategy AU.3: improved and updated explanation in activity (4) about the ocean etiquette program;
- Strategy AU.4: revised objective to read “timely” instead of “immediate” and “accurate” instead of “direct”;
- Strategy AU.4: revised background to more accurately reflect the types of advanced outreach technology the Sanctuary will use to engage audiences, and more recent Sanctuary website visitor statistics;
- Strategy AU.4: updated activity (1) list of multi-media elements CINMS will incorporate into its website;
- Strategy AU.4: Updated and expanded explanation of Sanctuary interactive kiosk program in activity (2);
- Strategy AU.4: updated activity (3) to reflect the Oceanslive! telepresence program, and partnership with the Ventura County Office of Education;

- Strategy AU.4: replaced Figure 30 (now 32) with a more recent image of the CINMS website home page;
- Strategy AU.5: added information about the Sanctuary's Ventura County Regional Office;
- Strategy AU.6: updated activity (1) to reflect current list of print publications the Sanctuary maintains;
- Strategy AU.6: updated activity (2) Mountains to Sea educational material information;
- Strategy AU.6: updated activity (3) to reflect current list of outreach materials the Sanctuary maintains;
- Strategy AU.6: updated activity (5) with additional details about the outreach events in which the Sanctuary participates;
- Strategy AU.7: revised activity (1) to reflect that the Santa Barbara Maritime Museum has been a partner in the Outdoors Santa Barbara Visitor Center since 2007;
- Strategy AU.7: revised activity (5) to clarify that the Sanctuary will work with the Southcoast Watershed Resource Center, and added Art From Scrap as a partner in this endeavor;
- Strategy AU.7: revised activity (7) to reflect that Congress awarded \$3 million in funds for OCTOS;
- Strategy AU.8: removed background information about the process to establish the MPA network;
- Strategy AU.8: replaced Figure 33 (now 35) with images of recent MPA outreach products;
- Strategy AU.8: omitted the activity about developing a PSA, which the Sanctuary no longer plans to do;
- Strategy AU.8: revised activity (5), which is now (4), to reflect that the Sanctuary is developing interpretive signs and kiosks as part of the California National Marine Sanctuaries Signage Plan;
- Strategy AU.9: revised background and deleted former activity (1) to reflect that CINMS has completed a multicultural education needs assessment;
- Strategy AU.9: deleted former activity (3) to reflect that CINMS has already completed a strategic plan for multicultural education;
- Strategy AU.9: revised activity (2) (previously activity (4)) with current information about youth and adult education programs, including noting that the youth program is called the MERITO Academy; and
- Strategy AU.9: revised activity (3) (previously activity (5)) to reflect that the multicultural education strategy includes increasing knowledge of over fishing and global warming issues, in addition to fostering Sanctuary stewardship and increasing knowledge of water quality issues and promoting environmentally responsible living

Conservation Science Action Plan

- Revised the Overview with minor language refinements, and to clarify the purpose of conservation science, research and monitoring, and the role of the Sanctuary's research department;
- Revised the Description of the Issues section by: adding a summary list of management issues that will be informed by the work embodied in the Conservation Action Plan; deleting the background information and text box on socioeconomics;
- Added several strategies from the Resource Protection and Operations action plans to the list of strategies under the "Addressing the Issues – Strategies From Other Action Plans" section;
- Strategy CS.1: revised the background to provide more information about what SAMSAP is and its purpose;
- Strategy CS.1: revised to reflect that the Sanctuary no longer has the Lake Renegade Seawolf aircraft;

- Strategy CS.1: omitted information about monthly kelp canopy surveys, and clarified that SAMSAP data can include observed oil (but not oil types as previously stated);
- Strategy CS.1: revised activity (2) to reflect that the Sanctuary no longer plans to develop a data encyclopedia, but rather will produce data and trends analysis, and to omit information about kelp canopy data;
- Strategy CS.1: revised Figure 35 (now 37) caption to reflect that the Sanctuary uses NOAA or contracted aircraft for SAMSAP;
- Strategy CS.2: revised background and activity (1) and omitted activities (3) and (4) to reflect that the Sanctuary plans to use existing regional and national data management programs rather than developing its own such tools or programs;
- Strategy CS.2: revised activity (2) to reflect that, as previously stated in activity (4), all spatial data will be standardized according to NSDI format; to note that CINMS will ensure that all data sets are up to date with current metadata; and to clarify the data types relevant to this activity;
- Strategy CS.2: replaced Figure 36 (now 38) with a more legible Sanctuary GIS image;
- Strategy CS.3: rephrased the title and removed “Existing” from it;
- Strategy CS.3: refined background explanation and added information about how conservation science research and monitoring relate to emerging issues and adaptive management, and clarified that the Sanctuary evaluates research priorities on an annual basis;
- Strategy CS.3: reordered list of activities;
- Strategy CS.3: revised activity (3), now (1), by broadening it to include descriptions of several monitoring activities the Sanctuary helps support;
- Strategy CS.3: revised activity (2), now (3), to improve the description of and add more details about seabird studies;
- Strategy CS.3: added examples of site characterization research projects, and clarified that the Sanctuary evaluates research priorities on an annual basis, which allows for inclusion of projects addressing emerging issues;
- Strategy CS.3: added new activity (5) describing staff and partner efforts to develop a carbon budget for the Sanctuary;
- Strategy CS.4: added that the objective of the collaborative marine research project includes to obtain rigorous scientific data on issues of concern to scientists, agencies, and fishers;
- Strategy CS.5: updated activity (1) by omitting SIMoN system development and maintenance, by adding information about Sanctuary Wide Monitoring (SWiM) reporting requirements, and adding current information about the status of Sanctuary staff efforts to interpret and disseminate Sanctuary research findings and about current partners in this effort;
- Strategy CS.5: revised activity (3) by broadening title, noting that researchers are invited to share their findings at monthly From Shore to Sea lectures and at Advisory Council meetings, adding that Sanctuary staff will present information at scientific conferences and workshops, and omitting text about the annual research report since this is already included in activity (1);
- Strategy CS.5: updated status of activity (4);
- Strategy CS.6: in general, revised the strategy so that it focuses exclusively on biological monitoring of the MPA network, and added a new strategy (CS.7) to house information on socioeconomic monitoring of the MPA network;
- Strategy CS.6: revised background by omitting MRWG monitoring recommendations, clarifying what guides the nearshore and deepwater MPA network monitoring, reflecting that full MPA network is now complete, and providing a map of the MPA network;
- Strategy CS.6: revised activity (1) by listing the ROV project as an example of a biological monitoring program that contributes to understanding the effectiveness of the MPA network, and by reflecting that Sanctuary staff will participate in periodic symposia and reporting on MPA network effects rather than hosting an annual meeting;

- Strategy CS.6: moved activity (2) to Strategy CS.7 activity (1); updated the activity description to reflect that CINMS will work with partners to implement the socioeconomic monitoring plan, rather than referring to the general Channel Islands Marine Protected Areas Monitoring Plan;
- Strategy CS.6: added a new activity (3) on developing a deep water monitoring plan;
- Strategy CS.7: this is a new strategy summarizing the Sanctuary's (2007) socioeconomic monitoring plan, with one activity being to implement that plan;
- Strategy CS.8: this is a new strategy describing how the Sanctuary collects and utilizes data from a vessel tracking Automated Identification System (AIS); and
- Table 5: updated costs to reflect changes made in strategies, most significantly by increasing the costs for Strategy CS.6 to reflect costs of deep water monitoring

Boundary Evaluation Action Plan

- Revised the Description of the Issues section on scoping comments to reflect the number of comments that did not support boundary expansion;
- Revised the Description of the Issues section on determining a study area boundary to reflect that there are two bioregions in the Sanctuary and a transition zone between them (instead of three biogeographic provinces), and clarified that Sanctuary staff worked with the Sanctuary Advisory Council to determine the boundaries of the final management plan study area after reviewing Dr. Michael McGinnis' study area recommendations;
- Updated the Description of the Issues section on NOAA's decision to continue boundary analysis by noting that NCCOS completed the biogeographic assessment in 2005 and NOAA will incorporate the results of this assessment into the supplemental environmental review process on boundaries;
- Updated the Addressing the Issues – Strategies For This Action Plan section by omitting the strategy aimed at completing the biogeographic analysis;
- Strategy BE.1: deleted the original strategy about completing the NCCOS biogeographic assessment (completed in 2005); and
- Strategy BE.2: this is now Strategy BE.1

Marine Zoning Action Plan

- Deleted this action plan, but incorporated Strategy MZ.1 on general marine zoning into the new Resource Protection Action Plan;
- Strategy MZ.1 (now RP.3): revised the background to: clarify that the Sanctuary has used zones since 1980 to separate competing human uses, or address uses incompatible with resource protection; to reflect that the MPA network is complete; to add clarification and details about the types of zones in the Sanctuary that are managed by other agencies; to add the information on issues that have led the Sanctuary to consider various new marine zones (from the Marine Zoning Action Plan Description of the Issues); and to clarify that using baseline data the Sanctuary will be able to adaptively manage existing zones;
- Strategy MZ.1 (now RP.3): updated activity (2) by omitting a statement about ongoing activities related to consideration of federal marine reserves and conservation areas;
- Strategy MZ.1 (now RP.3): added strategies CS.5 and OP.8 to the Addressing the Issues – Strategies From Other Action Plans section; and
- Replaced Figure 41 (now Figure 51) in the Resource Protection Action Plan) with an updated map depicting the completed MPA network

Water Quality Action Plan

- Revised the Overview by: adding information about NMSP-wide performance measures pertaining to water quality; adding a paragraph with information about how staff will implement

this action plan and the status of the West Coast Region Water Quality Coordinator position; added a section on recent water quality work in the Sanctuary conducted by the Sanctuary Advisory Council and other Sanctuary partners;

- Revised the Description of the Issues: noted that effluents may introduce disease-causing microorganisms (pathogens), such as bacteria, protozoans, and viruses, into the marine environment; noted that power plant impacts on marine organisms may include entrainment through cooling water systems; updated information in footnotes about the volume of municipal wastewater discharge comprised of surface runoff, about the Goleta Sanitary District upgrading to full secondary sewage treatment, and about effluent discharges allowed from oil and gas platforms in federal and state waters; removed “trash” from the list of pollutant discharges associated with routine operations of oil and gas development; added a paragraph on oil and gas seeps; added information to the section on vessel discharge and deposit to describe the potential impacts of such discharges, including graywater; added information about vessel accidents to the section formerly focused on discharge/deposit from shipwrecks; and updated the section on community involvement to reflect that the Advisory Council completed a water quality needs assessment in 2005;
- Strategy WQ.1: revised the background to note that CINMS participates in several ongoing water quality monitoring efforts described within this strategy; to update information about the Santa Barbara Channelkeeper pilot monitoring project conducted from 2005 through 2007; and to add information about developing a water quality protection plan and how the Advisory Council’s 2005 report will help in this regard;
- Strategy WQ.1: revised activity (2) to note that Sanctuary staff were involved in planning for Bight ’08;
- Strategy WQ.1: added a new activity (3) on continuing support for CINMS water quality initiatives;
- Strategy WQ.2: in general, revised the strategy to omit references to the West Coast Water Quality Coordinator, to where appropriate note that Sanctuary staff will partner and work with the West Coast Region, and to reflect that the Advisory Council completed a water quality needs assessment in 2005;
- Strategy WQ.2: added a new activity (1) on completing the water quality characterization report, and renumbered the original activities accordingly; and
- Strategy WQ.2: added Strategy CS.8 to the list of strategies under the header Addressing the Issues – Strategies From Other Action Plans

Emergency Response & Enforcement Action Plan

- Revised the Description of the Issues as follows: refined the description of oil and gas leases in the Channel Islands Region and overlapping the Sanctuary; added references to support the statements about the effects of oil on marine organisms; clarified that lighter hydrocarbons “may” enter the bloodstream; added references and refined the description of the impacts of the 1969 oil spill in the Unocal Spill of 1969 text box;
- Strategy EE.1: revised the objective to include human initiated disasters;
- Strategy EE.1: revised the background as follows: deleted information about assistance from NOAA’s Office of Response and Restoration; added list of various federal, state and local emergency response agencies in California the Sanctuary will cooperate with in implementing an emergency response plan; added a new paragraph describing the area contingency plan (ACP); added a new paragraph describing the roles of CINMS and the Federal On Scene Coordinator;
- Strategy EE.1: updated activity partner lists and clarified that the NOAA partner is NOAA HAZMAT instead of NOAA OR&R;
- Strategy EE.1: omitted from activity (3) the minimum number of volunteers to be trained; and

- Strategy EE.1: revised activity (5) by deleting the statement about identifying oil types in the discussion about using GPS, survey software, and GIS; and by replacing information about prototyping a cellular telephony program, with information about updating SAMSAP software

Maritime Heritage Action Plan

- Changed the action plan title from “Maritime Heritage Resources Action Plan” to “Maritime Heritage Action Plan” and changed strategy titles accordingly from “MHR...” to “MH...”;
- Refined language in the Overview and Description of the Issues, and to the latter added a list of reasons for removing artifacts and refined the description contained in the sub-section on Contemporary Native American Culture;
- Strategy MH.4: added information to the Background and a new activity about protection and handling of Chumash artifacts; deleted the activity focused on establishing a shipwreck trail guide and mooring system; and
- Strategy MH.6: revised strategy title to “Supporting Public Education of Chumash Native American Maritime Heritage”; revised the strategy objective to clarify that it is to assist the Chumash community in their cultural revitalization and related efforts pertaining to their traditional maritime heritage; revised the Background to emphasize the CINMS’s supporting role, and that this strategy is focused on education about maritime aspects of Chumash heritage; revised activity (1) to emphasize CINMS’s supporting role in Chumash-initiated watercraft journeys and excursions; deleted activities (2) and (3) and replaced them with a general activity about working with the Chumash community to identify mutual objectives and activities for supporting public education about Chumash maritime heritage

Emerging Issues Action Plan / Resource Protection Action Plan

Note: the list of changes summarized below represent changes made to text of the former Emerging Issues Action Plan, which has been absorbed into the new Resource Protection Action Plan (except where noted otherwise).

- In general, revised text to emphasize that this action plan focuses on current and emerging resource protection issues, not only on emerging issues;
- Revised the Overview to clarify that the action plan prescribes a framework for addressing issues, documents issues the Sanctuary is currently tracking, and describes the tools CINMS staff will apply to address such issues; also noted that the research program informs resource protection, and omitted phrase about issues within and adjacent to the Sanctuary;
- Revised the Description of the Issues as follows: refined the explanation of “emerging” resource protection issues and added a text box on open ocean aquaculture; noted the role of monitoring programs, and the Sanctuary Advisory Council and Research Activities Panel in addressing emerging issues; reorganized the subsections on specific issues alphabetically; updated and added details to the description of each issue, including noting that the Advisory Council adopted reports and recommendations on aquaculture and anthropogenic noise, and adding information on NMSP policy statements relevant to a given issue; changed the section on “Acoustics” to “Human-Induced Acoustic Impacts”; added sections on energy development, climate change, limited spatial data on Sanctuary resources and use, motorized personal watercraft (text taken from Marine Zoning Action Plan), termination of the sea otter translocation program, and wildlife disturbance caused by artificial lighting; and removed the brief section on “additional issues” that listed several issues now described in the newly added sections;
- Added strategies CS.5 and OP.8 to the list of strategies under the “Addressing the Issues – Strategies From Other Action Plans” section, and deleted Strategy MZ.1 since its text is now included in this action plan as Strategy RP.3;

- Strategy EI.1 (now RP.1): updated activity (3) to note that it is about revising and evaluating, rather than developing, the list of current and emerging resource protection issues;
- Strategy EI.1 (now RP.1): revised activity (2) to include among the listed criteria assessing whether the Sanctuary has the jurisdiction and/or authority to address a given issue; and to add that issue prioritization should be and is informed by Advisory Council working groups in general (not just the RAP), along with scientific experts and staff assessments;
- Strategy EI.1 (now RP.1): revised activity (3) to specify that Sanctuary staff will track potential emerging issues that become priorities for action, and that they will seek and review input from researchers and others;
- Strategy EI.2 (now RP.2): refined and simplified language in background section about the Sanctuary being affected by a complex and dynamic state of affairs;
- Strategy EI.2 (now RP.2): revised activity (1) to note that Sanctuary staff not only will inform, but they will also be informed by the Sanctuary Advisory Council about issues;
- Strategy EI.2 (now RP.2): added to the last bullet under activity (2) on formation of action plans a new bullet on proposing new CINMS regulations, and a note about the framework for determining when to develop new action plans in the Action Plans – Background section, and an acknowledgement that new action plans for resource protection issues may include research activities; and
- (For changes to text of Strategy RP.3 please refer above to changes made to Marine Zoning Action Plan Strategy MZ.1)

Operations Action Plan

- Revised the Description of the Issues section by: including evaluating and minimizing environmental impacts of Sanctuary facilities and operations in the bullet list of additional operational issues recognized by the Advisory Council, CINMS and NMSP headquarters staff; noting in the Improving Sanctuary Facilities sub-section that some Sanctuary staff work from an office building in downtown Santa Barbara; added a new sub-section on Greening Sanctuary Facilities and Operations;
- Added RP.2 to the list of strategies under the “Addressing the Issues – Strategies From Other Action Plans” section;
- Strategy OP.1: changed the objective statement’s characterization of the Advisory Council’s role in advising the Sanctuary from that of a “leading” role to an “important” role;
- Strategy OP.2: revised the objective so it is not only to ensure that information gained through research, education, salvage, and management activities conducted in the Sanctuary benefits CINMS programs and/or natural resources, but also to ensure that it informs Sanctuary management;
- Strategy OP.4: updated the background to reflect the current number of vehicles and vessels the Sanctuary currently maintains in its fleet, and that the Sanctuary used contract aircraft on an as-needed basis (rather than maintaining its own aircraft);
- Strategy OP.4: added to activity (1) information about the VCO’s responsibilities to ensure vehicles are kept in a safe and operable condition, and that all federal regulations are followed regarding appropriate use of government vehicles; and added GSA as a partner;
- Strategy OP.4: greatly updated activity (2) with information on current staffing requirements for the Sanctuary’s vessels (including the Xantu vessel acquired in 2008), and the vessel allocation process;
- Strategy OP.5: revised activity (3) to reflect that this activity calls for working with NOAA’s Western Regional Center instead of the now defunct Western Administrative Support Center;
- Strategy OP.6: revised the partner list in activities (1) and (2) to reflect that the Western Regional Acquisition Division (WRAD) is now a partner (instead of WASC);

- Strategy OP.6: added UCSB to the list of partners that may provide support for Sanctuary-related programs and projects;
- Strategy OP.6: refined activity (4) description of the NOAA Corps program to clarify that the National Ocean Service in addition to the NOAA Corps subsidizes, rather than pays for, salaries and benefits of NOAA Corps officer working at the Sanctuary;
- Strategy OP.7: updated and refined the background information on sources and amounts of funding for CINMS office space and the Outreach Center for Teaching Ocean Sciences (OCTOS) to be housed at UCSB;
- Strategy OP.7: revised activity (3) to clarify that CINMS may keep some of its office space in the Santa Barbara Harbor; and
- Strategy OP.8: this is a new strategy that explains Sanctuary staff efforts to green Sanctuary facilities and operations

Performance Evaluation Action Plan

- Added to the overview section information about the NMSP's program-wide performance measures, and how site-specific performance measures are designed in part to comport with them;
- Tables 15-23: corrected several objective statements that were not worded exactly as the objective statements are worded at the beginning of each strategy; where changed wording of strategy title and/or strategy objective statements, reflected same changes in the tables; ensured that the second to last column header in each table is consistently labeled as "Performance Measures";
- Table 17, now 16: changed performance metrics for strategy CS.1 from "database of SAMSAP missions" to "Number of SAMSAP flights"; changed performance measures for strategy CS.2 from "CINMS spatial data is NSDI standardized in a readily distributed format" to "CINMS data is publicly available in a web-based data node"; added performance measures and metrics for new strategies CS.7 and CS.8;
- Table 18, now 17: deleted information for former (omitted) Strategy BE.1 about completing the NCCOS biogeographical study (completed in 2005);
- Deleted former Table 19 (NOAA omitted the Marine Zoning Action Plan); information for Strategy MZ.1 is now incorporated into Table 21 under Strategy RP.3;
- Table 21, now 19: changed Strategy EE.1 performance measure "Improved understanding of CINMS role in regional emergency response efforts" to "Full participation in regional emergency response efforts involving the Sanctuary"; and changed performance metric "Frequency of emergency response plan review, evaluation and updates" to "Attendance and participation at ACP meetings, drills, and response events";
- Table 22, now 20: added a metric to Strategy MH.6 on the number of paddling excursions supported;
- Table 23, now 21: adapted Emerging Issues Action Plan table as that for the Resource Protection Action Plan, and added the information for former Marine Zoning Action Plan Strategy MZ.1 into that for Strategy RP.3; changed the metric for Strategy RP.1 to the number of issues tracked;
- Table 24, now 22: changed Strategy OP.4 performance measure "Safety equipment maintained on all vehicles, vessels, and aircraft" to "Proper safety equipment and a safe working environment are maintained on all vehicles, vessels, and aircraft"; and changed metric "Amount of staff personal vehicle use and number of Sanctuary activities canceled due to unavailability of vehicles, vessels and aircraft" to "Number of days government vehicles, vessels and NOAA or other aircraft were needed but unavailable";
- Table 24, now 22: changed Strategy OP.5 metric from "Regularity of and staff..." to "Frequency and staff attendance at safety briefings and trainings";

- Table 24, now 22: changed Strategy OP.6 performance measure “Maintain status-quo staffing needs” to “Maintain staffing at levels necessary to conduct mandated Sanctuary activities”;
- Table 24, now 22: changed Strategy OP.7 metric “Per-person occupancy rate of at least 150 square feet per person in office facilities” to “Average per-person”; and
- Table 24, now 22: added information for new Strategy OP.8

Section IV: Appendices

Appendix A: Action Plan Summary Tables

- Revised Appendix A1 (Table 24) to reflect changes to action plan, strategies, and activities; and updated with current information; and
- Revised Appendix A2 (Table 26, now 25) by deleting information for the Marine Zoning Action Plan (now defunct), and renaming the Emerging Issues Action Plan row to Resource Protection Action Plan

Appendix B: List of Acronyms

- Added “the” into the explanation that “DOI” stands for “the Department of the Interior”;
- Used the nautical mile abbreviation “nmi” instead of “NM”; and
- Deleted “WASC” and added “WRAD” and “WRC”

Appendix C: Existing and Proposed CINMS Regulations / Summary of Changes Between Draft and Final

- Deleted the table on Existing and Proposed CINMS Regulations, and instead use Appendix C to house this summary of changes Sanctuary staff have made to the management plan between its draft and final versions

Appendix D: Supporting Information on Boundary Evaluation

- Revised each boundary concept description with corrected area calculations, and also provided the area of each concept in square miles;
- Boundary Concept 1A: corrected the description by noting that from Santa Barbara Island the boundary then heads north, ending near Point Dume (not Point Mugu);
- Figures 55-60, now 58-63: Sanctuary staff regenerated each map, simplified map legends, depicted consistent information in each map (*i.e.*, boundary concept, management plan study area, Sanctuary boundary, oil platforms, state and federal oil and gas leases, federal oil and gas lease units, counties, select cities, select rivers, select points, watersheds), and revised Sanctuary boundary to depict changes made in 2007 per the federal portion of the MPA network;
- Table 29, now 27: provided corrected area calculations for each boundary concept; and
- Replaced the biogeographic study project summary with the executive summary from the NCCOS published study report

Appendix E: Water Quality Protection Recommendations from the Channel Islands National Marine Sanctuary Advisory Council

- Appendix E was originally the sources consulted, which are now housed in Appendix F, while Appendix E contains the Advisory Council’s 2005 water quality recommendations

Appendix F: Sources Consulted

- Replaced Baird (1990) with Baird (1993);
- Noted that Blake and Lissner (1993) is available from the Minerals Management Service, and the Santa Barbara Museum of Natural History;

- Added: Brownell (1971); California Coastal Commission (1987); Casanova *et al.* (2001); Cicin-Sain and Knecht (2000); Conservation Working Group (2004); Conservation Working Group (2007); County of Santa Barbara Energy Division (2002); Eley (2000); Engle (2006); Evans and England (2001); Geraci (1990); Geraci and St. Aubin (1987); Intergovernmental Panel on Climate Change (2007); Laughlin (1994); Leeworthy *et al.* (2005); McCauley *et al.* (2003); McCrary *et al.* (2003); Mix (1986); NOAA National Centers for Coastal Ocean Science (2005); National Oceanic and Atmospheric Administration (2005); National Research Council (2003); Polgar *et al.* (2005); Polhemus (2006); Reeves (1977); Todd *et al.* (1996); Tinker *et al.* (2006); U.S. Department of the Interior, Minerals Management Service, Pacific OCS Region (2008); U.S. Environmental Protection Agency (2007); U.S. Fish and Wildlife Service (2005); U.S. Geological Survey, unpublished data; Washburn *et al.* (1996); Winant *et al.* (2003); and
- Deleted: Grumbine (1994); Washburn and Clark (1998)

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